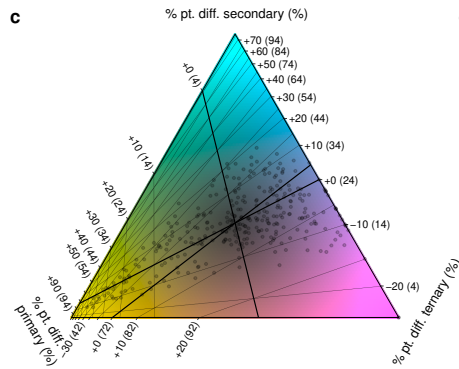
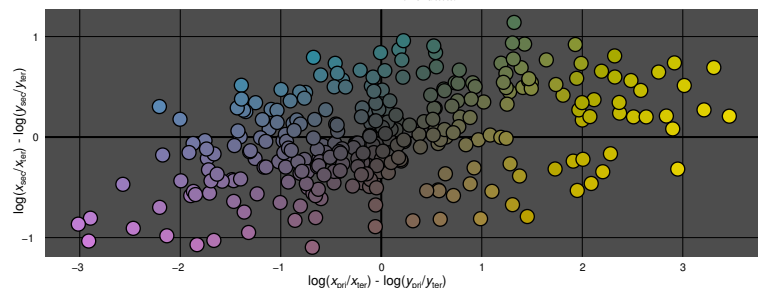


A ternary diagram showing the distribution of regional European workforce compositions in 2016. The black lines mark the European average. The background is colored with the ternary balance scheme.

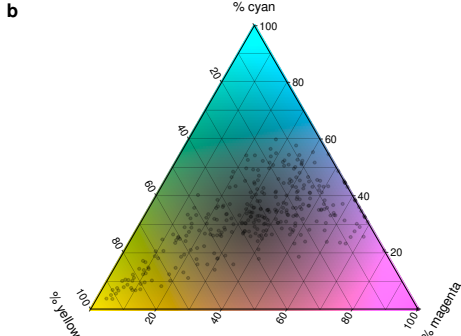


To facilitate interpretation, the centered compositions can be labeled in terms of their original values and their percent point differences from the reference composition, here the European average, which is now situated at the barycenter of the triangle.

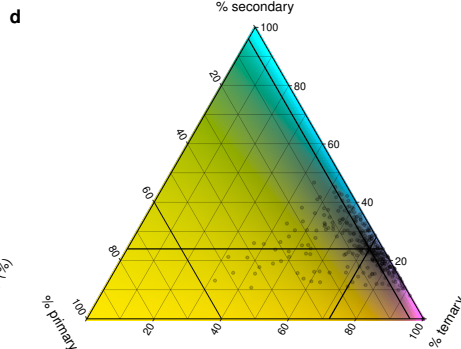
**e**



The log-ratio coordinate transformation allows us to depict a three-part composition in the unconstrained and familiar space of the real numbers. The origin of the Cartesian coordinates marks the reference composition.



The data in figure a has been perturbed by the inverse of the European average. The coordinates of the resulting centered compositions are interpreted as colors in the centered ternary balance scheme.



The centered ternary balance scheme is a skewed standard ternary balance scheme with its grey-point shifted to the location of the reference composition. Note that this color key conveys the same information as Figure c. Whereas in Figure c the data has been centered on the color scale, here the color scale has been centered on the data.